

S/N TO BE ASSIGNED

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: PERNU, ET AL. Serial No.: TO BE ASSIGNED  
Filed: 24 MAY 2001 Docket No.: 602.347USW1  
Title: METHOD AND SYSTEM FOR IMPLEMENTING A SERVICE IN A  
TELECOMMUNICATION NETWORK

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By:

Name: Kari Arnold

PRELIMINARY AMENDMENT

Box Patent Application  
Assistant Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

Please enter the following preliminary amendment into the above-referenced application.

ABSTRACT

Please insert the attached abstract into the application as the last page thereof.

CLAIMS

Please amend claims 1-34 as follows. A clean copy of the entire set of claims is included below. A marked up copy of the amended claims is included in Appendix A.

1. (Amended) Method for implementing a service in a digital multiple-service network comprising an exchange, a first telecommunication terminal connected to the multiple-service network via a first interface and a second telecommunication terminal connected to the multiple-service network via a second

interface, wherein the service is implemented using a server connected to the multiple-service network via a third interface, and the service information is transmitted to the second telecommunication terminal using channels reserved for signalling and a signalling protocol comprising a limited amount of information not belonging to the call.

2. (Amended) Method as defined in claim 1, wherein the service information is transmitted in the form of a text message.

3. (Amended) Method as defined in claim 1, wherein the service information is transmitted in a suitable information element.

4. (Amended) Method as defined in claim 1, wherein the service information is transmitted using UUS signalling.

5. (Amended) Method as defined in claim 1, wherein the service information is transmitted using USBS signalling.

6. (Amended) Method as defined in claim 1, wherein the service provided by the server is distinguished via multiple subscriber numbering in which, in addition to a main number, a number of terminal-specific identification numbers have been defined for the basic subscriber interface.

7. (Amended) Method as defined in claim 1, wherein the service provided by the server is distinguished by subaddressing.

8. (Amended) Method as defined in claim 1, wherein the service is used to indicate telephone book information to the telecommunication terminal.

9. (Amended) Method as defined in claim 1, wherein the service is used to indicate A-party telephone book information to the B-party telecommunication terminal.

10. (Amended) Method as defined in claim 1, wherein a Facility message is sent from the B-party telecommunication terminal to the exchange, a query for A-party telephone book information is sent from the exchange to the server and the telephone book information is sent from the exchange to the B-party telecommunication terminal.

11. (Amended) Method as defined in claim 1, wherein an Information message is sent from the B-party telecommunication terminal to the exchange, a query for A-party telephone book information is sent from the exchange to the server and the telephone book information is sent from the exchange to the B-party telecommunication terminal.

12. (Amended) Method as defined in claim 1, wherein the telephone book information is stored in conjunction with the telecommunication terminal.

13. (Amended) Method for transmitting the name of an A-party to a B-party telecommunication terminal in a digital multiple-service network comprising an exchange, a first telecommunication terminal belonging to the A-party and connected to the network via a first interface and a second telecommunication terminal belonging to the B-party and connected to the network via a second interface, wherein a message comprising the number of the A-party and requesting A-party telephone book information is sent from the second telecommunication terminal to the exchange, the telephone book information regarding the A-party is retrieved in the exchange and sent from the exchange to the second telecommunication terminal using channels reserved for signalling and a signalling protocol comprising a limited amount of information not belonging to the call.

14. (Amended) Method as defined in claim 13, wherein the information is transmitted between the second telecommunication terminal and the exchange using a Facility message.

15. (Amended) Method as defined in claim 13, wherein the information is transmitted between the second telecommunication terminal and the exchange using an Information message.

16. (Amended) Method as defined in claim 13, wherein the transmission of the name of the A-party is activated from a menu in the second telecommunication terminal.

17. (Amended) Method as defined in the claim 13, wherein the telephone book information is stored in conjunction with the telecommunication terminal.

18. (Amended) System for implementing a service in a digital multiple-service network comprising an exchange, a first telecommunication terminal connected to the network via a first interface and a second telecommunication terminal connected to the network via a second interface, wherein the system comprises a server connected to the network via a third interface and means for transmitting service information between the server and the telecommunication terminal using channels reserved for signalling and a signalling protocol comprising a limited amount of information not belonging to the call.

19. (Amended) System as defined in claim 18, wherein the system comprises means for transmitting the service information as a text message.

20. (Amended) System as defined in claim 18, wherein the system comprises means for transmitting the service information in a suitable information element.

21. (Amended) System as defined in claim 18, wherein the system comprises means for transmitting the service information using UUS signalling.

22. (Amended) System as defined in claim 18, wherein the system comprises means for transmitting the service information using USBS signalling.

23. (Amended) System as defined in claim 18, wherein the server comprises means for distinguishing the service via multiple subscriber numbering in which, in addition to a main number, a number of terminal-specific identification numbers have been defined for the basic subscriber interface.

24. (Amended) System as defined in claim 18, wherein the server comprises means for distinguishing the service via subaddressing.

25. (Amended) System as defined in claim 18, the system comprises means for indicating telephone book information to the telecommunication terminal.

26. (Amended) System as defined in claim 18, wherein the system comprises means for indicating A-party telephone book information to the B-party telecommunication terminal.

27. (Amended) System as defined in claim 18, wherein the B-party telecommunication terminal comprises means for sending a Facility message to the exchange, the exchange comprises means for sending a query for A-party telephone book information to the server and means for sending the telephone book information to the B-party telecommunication terminal.

28. (Amended) System as defined in claim 18, wherein the B-party telecommunication terminal comprises means for sending an Information message to the exchange, the exchange comprises means for sending a query for A-party telephone book information to the server and means for sending the telephone book information to the B-party telecommunication terminal.

29. (Amended) System as defined in claim 18, wherein the telecommunication terminal [(TE2)] comprises means for storing the telephone book information.

30. (Amended) System for transmitting A-party telephone book information to a telecommunication terminal in a digital multiple-service network comprising an exchange, a first telecommunication terminal belonging to the A-party and connected to the network via a first interface and a second telecommunication terminal belonging to the B-party and connected to the network via a second interface, wherein the second telecommunication terminal comprises means for sending a message comprising the number of the A-party and requesting A-party telephone book information to the exchange, the exchange comprises means for retrieving A-party telephone book information and sending it to the second telecommunication terminal, the information being transmitted using channels reserved for signalling and a signalling protocol comprising a limited amount of information not belonging to the call.

31. (Amended) System as defined in claim 30, wherein the system comprises means for transmitting the information between the second telecommunication terminal and the exchange using a Facility message.

32. (Amended) System as defined in claim 30, wherein the system comprises means for transmitting the information between the second telecommunication terminal and the exchange using an Information message.

33. (Amended) System as defined in claim 30, wherein the second telecommunication terminal comprises a menu for the activation of the transmission of A-party telephone book information.

34. (Amended) System as defined in claim 30, wherein the telecommunication terminal comprises means for storing the telephone book information.

#### **REMARKS**

The above preliminary amendment is made to insert an abstract page into the application and to amend claims 1-34.

Applicant respectfully requests that this preliminary amendment be entered into the record prior to calculation of the filing fee and prior to examination and consideration of the above-identified application.

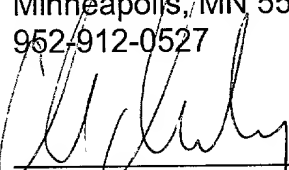
If a telephone conference would be helpful in resolving any issues concerning this communication, please contact Applicant's attorney of record, Michael B. Lasky at 952.912.0527.

Respectfully submitted,

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Date: 24 May 2001

By:

  
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095274-1649260



## Appendix A Marked Up Version of the Amended Claims

1. (Amended) Method for implementing a service in a digital multiple-service network [(ISDN)] comprising an exchange [(3)], a first telecommunication terminal [(TE1)] connected to the multiple-service network [(ISDN)] via a first interface [(4)] and a second telecommunication terminal [(TE2)] connected to the multiple-service network [(ISDN)] via a second interface [(5)], [c h a r a c t e r i z e d in that] wherein the service is implemented using a server [(1)] connected to the multiple-service network [(ISDN)] via a third interface [(6)], and the service information is transmitted to the second telecommunication terminal [(TE2)] using channels reserved for signalling and a signalling protocol comprising a limited amount of information not belonging to the call.

2. (Amended) Method as defined in claim 1, [c h a r a c t e r i z e d in that] wherein the service information is transmitted in the form of a text message.

3. (Amended) Method as defined in claim 1[ or 2],  
[c h a r a c t e r i z e d in that] wherein the service information is transmitted in a suitable information element.

4. (Amended) Method as defined in [any one of] claim[s] 1[ - 3],  
[c h a r a c t e r i z e d in that] wherein the service information is transmitted using UUS signalling.

5. (Amended) Method as defined in [any one of] claim[s] 1[ - 4],  
[c h a r a c t e r i z e d in that] wherein the service information is transmitted using USBS signalling.

6. (Amended) Method as defined in [any one of] claim[s] 1[ - 5],

[c h a r a c t e r i z e d in that] wherein the service provided by the server is distinguished via multiple subscriber numbering in which, in addition to a main number, a number of terminal-specific identification numbers have been defined for the basic subscriber interface.

7. (Amended) Method as defined in [any one of] claim[s] 1[ - 6],

[c h a r a c t e r i z e d in that] wherein the service provided by the server is distinguished by subaddressing.

8. (Amended) Method as defined in [any one of] claim[s] 1[ - 7],

[c h a r a c t e r i z e d in that] wherein the service is used to indicate telephone book information to the telecommunication terminal [(TE21, TE2)].

9. (Amended) Method as defined in [any one of] claim[s] 1[ - 8],

[c h a r a c t e r i z e d in that] wherein the service is used to indicate A-party [(TE1)] telephone book information to the B-party telecommunication terminal [(TE2)].

10. (Amended) Method as defined in [any one of] claim[s] 1[ - 9],

[c h a r a c t e r i z e d in that] wherein a Facility message is sent from the B-party telecommunication terminal [(TE2)] to the exchange [(3)], a query for A-party telephone book information is sent from the exchange [(3)] to the server [(1)] and the telephone book information is sent from the exchange [(3)] to the B-party telecommunication terminal [(TE2)].

11. (Amended) Method as defined in [any one of] claim[s] 1[ - 10],

[c h a r a c t e r i z e d in that] wherein an Information message is sent from the B-party telecommunication terminal [(TE2)] to the exchange [(3)], a query for A-party

telephone book information is sent from the exchange [(3)] to the server [(1)] and the telephone book information is sent from the exchange [(3)] to the B-party telecommunication terminal [(TE2)].

12. (Amended) Method as defined in [any one of] claim[s] 1[ - 11], [c h a r a c t e r i z e d in that] wherein the telephone book information is stored in conjunction with the telecommunication terminal [(TE2)].

13. (Amended) Method for transmitting the name of an A-party to a B-party telecommunication terminal in a digital multiple-service network [(ISDN)] comprising an exchange [(3)], a first telecommunication terminal [(TE1)] belonging to the A-party and connected to the network via a first interface [(4)] and a second telecommunication terminal [(TE2)] belonging to the B-party and connected to the network via a second interface [(5)], [c h a r a c t e r i z e d in that] wherein a message comprising the number of the A-party and requesting A-party telephone book information is sent from the second telecommunication terminal [(TE2)] to the exchange [(3)], the telephone book information regarding the A-party is retrieved in the exchange [(3)] and sent from the exchange [(3)] to the second telecommunication terminal [(TE2)] using channels reserved for signalling and a signalling protocol comprising a limited amount of information not belonging to the call.

14. (Amended) Method as defined in claim 13, [c h a r a c t e r i z e d in that] wherein the information is transmitted between the second telecommunication terminal [(TE2)] and the exchange [(3)] using a Facility message.

15. (Amended) Method as defined in claim 13[ or 14], [c h a r a c t e r i z e d in that] wherein the information is transmitted between the

second telecommunication terminal [(TE2)] and the exchange [(3)] using an Information message.

16. (Amended) Method as defined in [any one of] claim[s] 13[ - 15], [c h a r a c t e r i z e d in that] wherein the transmission of the name of the A-party is activated from a menu in the second telecommunication terminal [(TE2)].

17. (Amended) Method as defined in [any one of] the claim[s] 13[ - 16], [c h a r a c t e r i z e d in that] wherein the telephone book information is stored in conjunction with the telecommunication terminal [(TE2)].

18. (Amended) System for implementing a service in a digital multiple-service network [(ISDN)] comprising an exchange [(3)], a first telecommunication terminal [(TE1)] connected to the network via a first interface [(4)] and a second telecommunication terminal [(TE2)] connected to the network via a second interface [(5)], [c h a r a c t e r i z e d in that] wherein the system comprises a server [(1)] connected to the network via a third interface [(6)] and means for transmitting service information between the server [(1)] and the telecommunication terminal [(TE1, TE2)] using channels reserved for signalling and a signalling protocol comprising a limited amount of information not belonging to the call.

19. (Amended) System as defined in claim 18, [c h a r a c t e r i z e d in that] wherein the system comprises means for transmitting the service information as a text message.

20. (Amended) System as defined in claim 18[ or 19], [c h a r a c t e r i z e d in that] wherein the system comprises means for transmitting the service information in a suitable information element.

21. (Amended) System as defined in [any one of] claim[s] 18[ - 20],  
[c h a r a c t e r i z e d in that] wherein the system comprises means for  
transmitting the service information using UUS signalling.

22. (Amended) System as defined in [any one of] claim[s] 18[ - 21],  
[c h a r a c t e r i z e d in that] wherein the system comprises means for  
transmitting the service information using USBS signalling.

23. (Amended) System as defined in [any one of] claim[s] 18[ - 22],  
[c h a r a c t e r i z e d in that] wherein the server comprises means for  
distinguishing the service via multiple subscriber numbering in which, in addition to a  
main number, a number of terminal-specific identification numbers have been defined  
for the basic subscriber interface.

24. (Amended) System as defined in [any one of] claim[s] 18[ - 23],  
[c h a r a c t e r i z e d in that] wherein the server [(1)] comprises means for  
distinguishing the service via subaddressing.

25. (Amended) System as defined in [any one of] claim[s] 18[ - 24],  
[c h a r a c t e r i z e d in that] the system comprises means for indicating  
telephone book information to the telecommunication terminal [(TE1, TE2)].

26. (Amended) System as defined in [any one of] claim[s] 18[ - 25],  
[c h a r a c t e r i z e d in that] wherein the system comprises means for indicating  
A-party telephone book information to the B-party telecommunication terminal [(TE2)].

27. (Amended) System as defined in [any one of] claim[s] 18[ - 26],  
[c h a r a c t e r i z e d in that] wherein the B-party telecommunication terminal  
[(TE2)] comprises means for sending a Facility message to the exchange, the

exchange comprises means for sending a query for A-party telephone book information to the server [(1)] and means for sending the telephone book information to the B-party telecommunication terminal [(TE2)].

28. (Amended) System as defined in [any one of] claim[s] 18[ - 27], [c h a r a c t e r i z e d in that] wherein the B-party telecommunication terminal [(TE2)] comprises means for sending an Information message to the exchange [(3)], the exchange [(3)] comprises means for sending a query for A-party telephone book information to the server and means for sending the telephone book information to the B-party telecommunication terminal [(TE2)].

29. (Amended) System as defined in [any one of] claim[s] 18[ - 27], [c h a r a c t e r i z e d in that] wherein the telecommunication terminal [(TE2)] comprises means for storing the telephone book information.

30. (Amended) System for transmitting A-party telephone book information to a telecommunication terminal in a digital multiple-service network [(ISDN)] comprising an exchange [(3)], a first telecommunication terminal [(TE1)] belonging to the A-party and connected to the network via a first interface [(4)] and a second telecommunication terminal [(TE2)] belonging to the B-party and connected to the network via a second interface [(5)], [c h a r a c t e r i z e d in that] wherein the second telecommunication terminal [(TE2)] comprises means for sending a message comprising the number of the A-party and requesting A-party telephone book information to the exchange [(3)], the exchange [(3)] comprises means for retrieving A-party telephone book information and sending it to the second telecommunication terminal [(TE2)], the information being transmitted using channels reserved for

signalling and a signalling protocol comprising a limited amount of information not belonging to the call.

31. (Amended) System as defined in claim 30, [c h a r a c t e r i z e d in that] wherein the system comprises means for transmitting the information between the second telecommunication terminal [(TE2)] and the exchange [(3)] using a Facility message.

32. (Amended) System as defined in claim 30[ or 31],  
[c h a r a c t e r i z e d in that] wherein the system comprises means for transmitting the information between the second telecommunication terminal [(TE2)] and the exchange [(3)] using an Information message.

33. (Amended) System as defined in [any one of] claim[s] 30[ - 32],  
[c h a r a c t e r i z e d in that] wherein the second telecommunication terminal [(TE2)] comprises a menu for the activation of the transmission of A-party telephone book information.

34. (Amended) System as defined in [any one of] claim[s] 30[ - 33],  
[c h a r a c t e r i z e d in that] wherein the telecommunication terminal [(TE2)] comprises means for storing the telephone book information.